

W. B. Smith No. 1 Well

Ravenswood District, Jackson County, W. Va.

By Joe Rubin, Parkersburg, W. Va.

Located 3.22 mi. W. of 80°35' and 3.25 mi. S. of 39°00' - NC - Ripley Quadrangle.

Elevation, 670.55' L.

Permit, Jack-131

Drilling commenced April 9, 1941; completed July 31, 1941.

18" casing, 38'5"; 14", 622'-5"; 10", 1135'9"; 8 1/2", 1938'; 6 5/8", 4800'; 2" tubing 4936'.

Section based on samples from 1218 to 4935' examined by C. E. Apsouri; samples also available from 145 to 1218'.

Top	Bottom	Thickness	
<u>Pennsylvanian, 487+ feet</u>			
1218	1263	45	Shale, grayish-green, silty, with siderite spherulites
1263	1320	57	Sandstone, white, very fine
1320	1330	10	Shale, gray, 60%; very fine white sandstone, 40%
1330	1364	34	Sandstone, white, very fine
1364	1370	6	Shale, gray and brown
1370	1400	30	Shale, light-gray, with siderite spherulites
1400	1410	10	Shale, gray and green
1410	1420	10	Siltstone, very light gray with specks of siderite, 70%; gray shale, 30%
1420	1430	10	Shale, dark-gray
1430	1481	51	Shale, dark-gray, silty, 75%; white, very fine sandstone, 25%
1481	1530	49	Shale, light-gray; silty and sandy, 50%; gray shale, 50%
1530	1540	10	Shale, dark-gray, silty
1530	1559	19	Sandstone, white, very fine, silty, 50%; gray shale, 50%
1559	1563	4	Shale, gray, 60%; brown shale with siderite, 40%
1563	1587	24	Shale, dark-gray
1587	1595	7	Siltstone, gray, sandy
1595	1695	100	Sandstone, white, fine to very fine (hole full of water at 1610')
1695	1700	5	Shale, black, with a little coal
1700	1705	5	Siderite, brown, 60%; dark-gray to black shale like that above, 20%; soft gray shale, 15%; white limestone, 5%

Greenbrier Limestone, 109 feet

Top	Bottom	Thickness	
1705	1724	19	Limestone, white to light-brown
1724	1728	4	Limestone, light-brown, slightly sandy
1728	1755	27	Limestone, white to light-brown
1755	1760	5	Limestone, white sandy
1760	1770	10	Sandstone, white, fine
1770	1793	23	Limestone, white, sandy
1793	1798	5	Limestone, white, dolomitic, slightly sandy
1798	1814	16	Limestone, white, dolomitic, sandy

Poccano Formation, 498 feet

1814	1824	10	Siltstone, light-gray to grayish-green, sandy
1824	1830	6	Sandstone, white with some coarse quartz grains
1830	1835	5	Sandstone, white, 50%; green, silty shale, 50%
1835	1839	4	Siltstone, green, 75%; gray shale, 25%
1839	1845	6	Siltstone, green, sandy, 50%; gray shale 50%
1845	1901	56	Sandstone, white, fine, with a few coarse quartz grains
1901	1908	7	Siltstone, greenish-gray
1908	1945	37	Sandstone, white, very fine
1945	1952	7	Shale, gray
1952	1970	18	Siltstone, light-gray, sandy, 70%; gray and brown shale, 30%
1970	1979	9	Shale, gray
1979	1987	8	Siltstone, light-gray, 70%; gray and brown shale, 30%
1987	1994	7	Shale, gray
1994	2126	132	Siltstone, and shale, gray
2145	2181	36	Shale and siltstone, gray
2181	2282	101	Shale, gray
2282	2310	28	Shale, dark-gray to very dark gray (Sunbury Shale)
2310	2312	2	Sandstone, white, very fine (Berea Sandstone; top and bottom from driller's record)

Devonian Shales, 2456 feet

2312	2348	36	Siltstone, grayish-green, sandy, 50%; grayish-green shale, 50%
2348	2437	89	Shale, grayish-green; fossil shells, 2354-2360'
2437	2447	10	Shale, brownish-red, 50%; gray shale, 50%
2447	2575	128	Shale, grayish-green

Top	Bottom	Thickness	
2575	4357	1782	Description omitted
4357	4495	138	Shale, gray; also some greenish and brownish
4495	4512	17	Shale, light-gray, 80%; very dark gray shale, 15%; brown limestone, 5%
4512	4595	73	Shale, light-gray, 80%; very dark gray shale, 20%
4595	4605	20	Shale, light-gray, 85%; very dark gray shale, 35%
4605	4705	100	Shale, very dark gray
4705	4725	20	Shale, light gray, 50%; very dark gray shale, 50%
4725	4735	10	Shale, gray, 95%; gray limestone, 5%
4735	4765	30	Shale, very dark gray to brownish
			<u>Huntsville Chert, 115 feet</u>
4765	4900	32	Limestone brown (SLM, 4963*)
4900	4985	85	Limestone and calcareous chert, gray to brown
			<u>Oriental Sandstone, 52+ feet</u>
4985	4915	33	Sandstone, white, very fine
4915	4921	5	Sandstone, white fine, slightly to moderately calcareous
4921	4935	14	Sandstone, white, very fine, calcareous
	4935		Total depth